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## HUBER Grit Washer RoSF4 T



### Grit Washer for treatment of partly dewatered grit from wastewater treatment plants

- Less than 3 % organic content
- Very high solids content of > 90 %
- Easy to retrofit after existing grit classifiers
- Reduced disposal costs

### Conventional grit separation

Conventional grit classifiers separate virtually all solids contained in the grit trap effluent. This classified and partly dewatered grit is usually more or less contaminated with organic particles.

### Subsequent grit washing

The classified grit is therefore further treated in the subsequent grit washing plant where the organics are separated from the mineral particles.

Due to a defined introduction of upwardly directed service water the grit situated in the lower part of the RoSF4 T Grit Washing Plant will be fluidised in flow, i.e. a grit fluidised bed is generated. Within this fluidised bed the lighter organic particles are separated from the dense grit particles, independent of the particle size. This process is supported by the central stirrer keeping the particles in motion. After removal of the organic material the clean grit is removed through a classifying screw, statically dewatered and discharged into a container.

The removed organics are automatically discharged with the introduced wash water.

## Benefits

### ADVANTAGES OF THE HUBER GRIT WASHING PLANT ROSF4 T

- Treatment of partly dewatered grit from wastewater treatment plants
- Plant sizes available for 0.1 - 3.0 m<sup>3</sup> solids throughput per hour
- Organic content reduction to < 3% loss on ignition
- Dewatering of washed grit to approx. 90% dry residue
- For easy installation subsequent to grit classifiers, complete plants (RoSF 4/tC), circular grit traps
- Grit removal screw supported on both ends for long life
- Maximum corrosion protection through material stainless steel and acid treatment in a pickling bath
- Reduced disposal costs
- Low investment costs

## Downloads

 [Brochure: HUBER Grit Washing Plant RoSF4 T](#) [pdf, 207 KB]

## Case Studies

- [Mineral fertiliser from sewage sludge](#)

## Media



### More products of this group: Grit Washing Plants

- [HUBER Coanda Grit Washing Plant RoSF4](#)
- [HUBER Grit Washer RoSF G4E](#)

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